

Raising the Static Stability of a System by Regu-
lating the DC Transmission Line, by

V. G. Mocitskiy.

RUSSIAN, per, Elektrichestvo, No 6, 1961, pp 58-61.

CIA X-6754

Oct 68

368,271

Increasing the Steady State Stability of a System
by Regulating the Flow of Direct Current, by
V. G. Novitskiy.

RUSSIAN, per, Elektrichestvo, No 6, 1961,
pp 58-60.

MLL R7B 1995
(loan)

Sol -
Jul 63

238,115

The Effect of Excitation Systems on the Stability of
Parallel Operation of Large Turbo-Generators, by
V. M. Borov, I. A. Glebov.

RUSSIAN, per, Elektrichestvo, No 7, 1961,
pp 7-13.

NLL M 5035

Sci - Electron
Mar 68

226,534

LONG-DISTANCE POWER TRANSMISSION WITH SATURABLE
REACTOR-TRANSFORMERS AND FORCED CAPACITOR BANKS,
BY D. I. AZAREV.

RUSSIAN, PER, ELEKTRICHESTVO, NO 7, 1961, PP 24-30.

NLL M. 6327

SCI - ELECTRON

OCT 62

214,791

CALCULATION OF TRANSIENT STABILITY TAKING
GOVERNORS AND EXCITATION REGULATORS , BY K. I.
BOGATEV. *1/12/62*

RUSSIAN, PER, ELEKTRICHESTVO, NO 7, 1961, PP 31-34.

NLL M. 6288

SCI - ENGR

OCT 62

Received by TTE

214,712

Application of the Phase Plane Method to the Study
of the Mechanical Transient Processes of an
Electric Drive, by L. I. Gendzha.

RUSSIAN, per, Elektrichestvo, No 7, 1961,
pp 68-77.

NLI M. 3859

Sci - Phys

Nov 60

217,554

Turbo Generators With a Large Unit Power Capacity,
V. V. Titov, 4 pp.

RUSSIAN, per, Elektrichestvo, No 3, 1961, pp 1-4.

Interntl. Physical Index
Power Express
Vol I, No 3

Sci. - Engr.

Jun 62

PPS 11134

200,984

Tuned Power Transmission Lines, by
V. K. Shcherbakov, 16 pp.
RUSSIAN, per, Elektrichestvo, No 8, 1961,
pp 25-30.

CIA/FDD XX-1747
NO FOREIGN DISSEM

Sci
Aug 65
USIB Internal Use Only

287,614

Optimum Geometrical Ratios in Induction Pumps for
Liquid Metals, by N. M. Okhramenko, 19 pp.

RUSSIAN, per, Elektrichestvo, No 9, 1961,
pp 10-16. 9651601

FTD-TT-62-1724

Sci-Engt
May 65

229,490

Geometrie optimale des pompes a induction pour
metaux liquides, by N. M. Okhremenko, 25 pp.

RUSSIAN to FRENCH, per, Elektrichestvo, S.S.S.R.,
No 9, 1961, pp 10-16.

Reverse Translation
CEA-R-1510

Sci
Jun 64

Some Problems of Making a Power Directional Relay
Based on the Hall Effect, by V. G. Doroguntsev,
N. I. Ovcharenko.

RUSSIAN, per, Elektrichestvo, No 9, 1961, pp 57-63.

NLL N. 3500

Sci. - Electron

Jul 62

07, '67

(SF-1877)

Basic Trends in Attaining Complete Electrification,
by N. N. Krachkovskiy, 6 pp.

RUSSIAN, per, Elektrichestvo, No 9, 1961, pp 91-92.

JPRS 11703

USSR

Ecot

Jan 62

181,576

(SF-1877)

Creation of Material and Technical Base
of Communism Verses Soviet Power
Engineering, by M. A. Barkisov, 9 pp.

RUSSIAN, ~~by~~ ^{by} Elektrichestvo, Nov 1961,
pp 1-6.

JPRS 13533

191,669

USUR
ECON
Apr 62

Problem of Dependability of Electric Motors, by
N. A. Tishchenko, 22 pp.

RUSSIAN, per, Elektrichestvo, No 11, 1961,
pp 7-14. 9568563

FTD-TT-63-35

Sci-Electricity
May 63

230,875

Special Considerations in Selecting the Armature
Windings of Certain D.C. Machines, by * I. Z.
Agasv.

RUSSIAN, per, Elektrichestvo, No 11, 1961, pp 48-55.

NIL M 5037

Sci - Electr
Mar 63

226, 539

On the Class of Accuracy of Domestic Single Phase
Electric Meters, by B. N. Dolnitskiy, O. L. Rudnev.

RUSSIAN, per, Elektrichestvo, No 11, 1961,
pp 70-73.

MLL 11 8977

Sci - Elec
May 63

229,137

Calculation of Electrical Characteristics of a Multi-Layer Dielectric Made From Impregnated Capacitor Paper, by D. S. Varnhavakiy, 18 pp.

RUSSIAN, Izv. Elektrotekhnicheskovo, No 11, 1961, pp 78-83.
9098504

ALL M. S. Y.
U. K. Atomic Energy Authority
Aldermaston, AWRE Tr-36

Sci -- Electricity
Jul 62

204, 686

Problem of Reliability of Electric Motors,
by N. A. Tishchenko, 11 pp.

RUSSIAN, per, Elektrichestvo, No 12,
1961, pp 16-19. 9668552

FTD-TT-63-36

Sci-Engt
May 63

230,619

The Study of Transient Processes in Current
Transformers by Means of Analogue Computers,
by Ya. S. Gelfand, 2 pp.

RUSSIAN, per, Elektricheskoye, No 12, 1961,
pp 40-44.

NLL Ref. 9023.09 1963 (2,601)
(Loan)

Sci - Electron
Nov 63

OTS 63-23951 (1.10)
242,354

Reference to the file in the TIR
1-10-63

The Calculation of Buried Earth Electrodes
for Transmission Line Supports, by
A. B. Oslen, 8 pp.

RUSSIAN, per, Elektrichestvo, No 12, 1961,
pp 52-63.

NLL Ref. 9022.09 1963 (2,590)
(Loan)

OTS 63-23959 (A110)
242,303

Sci - Electron
Nov 63

Development of Electric Power in the Light of the
Decisions of the 22nd Congress of the CPSU, by
I. A. Syromyatnikov, 13 pp.

RUSSIAN, per, Elektrichestvo, No 1, 1962, pp 1-6.

JPRS 15820

WIER
Recn
Oct 62

216,996

TT-63-23960

Markovich, I. M. and Teitelbaum, V. N.
ECONOMIC DESPATCHING OF REAL POWER IN A
HYDRO-THERMAL POWER SYSTEM. [1963] [Sp] 1 ref
C. E. Trans. 2638.
Order from OTS, SLA, or ETC \$1.10 TT-63-23960

Trans. of Elektrotekhnika (USSR) 1962, no. 1,
p. 10-11. (Abstract available)

DESCRIPTORS: *Hydroelectric power systems,
Power, Networks, *Distribution (Economics), *Calculus
of variations, *Thermoelectricity.

Methods of variational calculus that are used to solve
the problem of economic despatching of electric power,
taking network losses into account, are presented.

(Engineering - Electrical, TT, v. 11, no. 1)

- I. Markovich, I. M.
- II. Teitelbaum, V. N.
- III. CE Trans-2638
- IV. Central Electricity
Generating Board
(G. Brit.)

1963 (2, 63)
9022.09 1963 (2, 63)

Office of Technical Services

Smirnov, K. A.
DETERMINATION OF THE MOST ECONOMICAL
NUMBER OF CONNECTED GENERATOR SETS IN
THERMAL POWER STATIONS. [1963] (9p) 1ref
C. E. Trans. 2639.
Order from OTS, SLA, or ETC \$1.10 TT-63-23961

Trans. of Elektrichestvo (USSR) 1962, no. 1,
p. 12-15.

DESCRIPTORS: *Generators, Electrical power produc-
tion, Economics, Power, Consumption, Boilers, Steam
power plants, Mathematical analysis.

(Engineering--Electrical, TT, v. 11, no. 2)

TT-63-23961

- I. Smirnov, K. A.
- II. CE Trans-2639
- III. Central Electricity
Generating Board
(Gt. Brit.)

ALL (LAN) Ref:

9022.09 1963(2,631)

Office of Technical Services

Analyzing the Reliability of Control Systems by the
Method of Mathematical Modeling, by L. R. Freydzon.
RUSSIAN, per, Elektricheskoye, No 1, 1962, pp 36-39.
NASA TT R-8714

Sci - Math & Data Proc
may 64
U.S. GOVERNMENT ONLY

258,607

Semiconducting Cadmium Sulfide Detectors of Gamma-
Radiation, by N. G. Drozdov, N. I. Gorelov, 2 pp.

RUSSIAN, per, Elektrichestvo, No 1, 1962, pp 49-51.
9678401

SLA 62-11177
Navy Tr 3243/NRL 909

Sci - Phys

Nov 62

217,509

Calculation of Transients in Complex Circuits With
Several Non-Linear Elements, by A. F. Berezovskiy.

RUSSIAN, per, Elektrichestvo, No 1, 1962,
pp 73-75.

ILL. M 5046

Sol. - Electron Electron
Max 68

226,540

Controllable D. C. Machines With Permanent Magnets
and Unsymmetrical Poles, by L. M. Palastin,
A. M. Lopyshinov.

RUSSIAN, per, Elektrichestvo, No 2, 1962, pp 40-51.

RL M 5042

RL M 5042

Sci - Electron
Apr 63

326,979

Technical Fundamentals for Working Out a New
Standard for Electrical Brushes, by O. G. Veguer.

RUSSIAN, per, Elektrichestvo, No 2, 1962, pp 77-83.

NLL M 3915

Sci. - Electronics
Mar 63

226,604

Calculation of Economic MW and MVar Distribution in
a Power System With Given Limitations,
RUSSIAN, per, Elektrichesvo, No 3, 1962, 1962,
MZDIA

Sci - ENGR
Apr 64

254,599

Digital Computer Method for Optimization
Problems in Integrated Power Systems, by
V. S. Shatanov.

RUSSIAN, per, Elektrichestvo, No 3, 1962,
pp 9-14.

GB/125/IB 2067

Sci-Ingr

Aug 63

341,973

Computer for Determining the Load Distribution in Power
Systems Containing Hydr-Electric Stations, by S. V. Usov.
RUSSIAN, per, Elektricheskoe, No 3, 1962, pp 24-28.

NZDIA

Sci - Engr

Feb 64

250,503

RUSSIAN

Comp. Special
*7AP.*CSO: 0517/73 W
27 Sep 72 SF

Potential coefficients in a system of discs lying in one plane, by Ya. Yu. Iossel'.

Moscow, Elektrichestvo, No 3, 1962, pp 67-69.

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Investigation of the Flashover Characteristics
of Dirty Insulators, by E. V. Korbut.

RUSSIAN, per, Elektrichestvo, No 5, 1962,
pp 76-81.

NZDIA

Sci-Engg
Oct 63

(NY-6502)

THE GENERAL ALGORITHMS OF A COMPUTING AND
CONTROLLING ELECTRONIC DIGITAL MACHINE FOR
THE OPTIMUM ECONOMIC PLANNING OF THE
OPERATING MODES OF COMPLEX POWER SYSTEMS,
BY V. S. SHAKHANOV, 44 PP.

RUSSIAN, PER, ELEKTRICHESTVO, NO 4, 1962,
PP 7-19.

JPRS 14,461

SCI - ELECTRON

JUL 62

202,902

(NY-6502)

ON THE EMPLOYMENT OF A COMPUTING MACHINE FOR THE
CALCULATION OF THE OPTIMUM DISTRIBUTION OF LOADS AMONG
AMONG THE DIFFERENT-TYPE UNITS OF A HEAT-POWER
ELECTRIC STATION, BY R. S. MANUKHYAN,
S. V. FAVERMAN, 12 PP.

RUSSIAN, PER, ELEKTRICHESTVO, NO 4, 1962,
PP 33-36.

JPRS 14,464

SC - ELECTRON
JUL 62

202,900

Automatic Meters With Analogue and Digital
Outputs, by E. R. Kharchenko, V. Yu.
Koshchilovskiy, 9 pp.

RUSSIAN, par, Elektrichestvo, No 4, 1962,
pp 36-40.

OTS 63-24004
NLI Ref: 5828.4 1963 (5267)
(Loan)

Sci - Electron
Jul 63

238,147

Calculation of the Performance and Steady-
State Characteristics of a D.C. Transmission
Line Interconnecting Two Power Systems, by
G. R. Glinternik, V. V. Kichayev.

RUSSIAN, per, Elektrichestvo, No 5, 1962.

MEDIA

Sci-Engg
Oct 63

On the Selection of a Rational Structure of Gener-
ating Capacities in Electric Power Systems, by
L. O. Gurin ~~Samuchyan~~ and Ya. I. Khainson, 19 pp.

Elektricheskaya
RUSSIAN, per, ~~Elektricheskaya~~, No 5, 1962,
pp 20-27.

JPRS 15529

UHF:
Room
Oct. 62

A Semi-Conductor Resistance Relay With Elliptical
Operating Characteristics, by A. I. Leviush,
E. D. Sidor.

RUSSIAN, per, Elektrichestvo, No 5, 1962, pp 64-70.

ML Ref: 5863.4 1963 (5863)
(Lent)

Sci - Electron
Jul 63

238,351

Some Questions of D.C. Machine Construction, by
O. G. Vagner.

REKIAN, for, Elektrichestvo, No 5, 1962,
ID 78-83.

ML N 5149

Sol - Elektron
May 63

229,853

The Influence of a Variable Electrical Field
on the Height of Ice on an Overhead Conductor,
by E. P. Nikiforov.

RUSSIAN, per, Elektrichestvo, No 6, 1962,
pp 52-57.

NLI Ref: 9022.09 1963 (3109) (Loan)

Sci
Feb 64

Individual Drives for the Stands of Reduction
and Calibrating Tube Rolling Mills, by
V. A. Trobosenko.

RESEARCH, par, Elektrichestvo, No 6, 1962, pp 73-75.

REL M 3096

Ref - Electron
May 63

229,800

A NEW STANDARD FOR RATED VOLTAGES, BY G. S. PLIS,
13 PP.

RUSSIAN, PER, ELEKTRICHESTVO, NO 6, 1962, PP 76-82.

JPRS 15600

USSR
ECON
OCT 62

213,462

Efficiency Criteria for Stopping and Starting
Generator Units in a Power System, by
I. M. Markovich.

RUSSIAN, per, Elektrichestvo, No 7, 1962,
pp 21-23.

NII Ref: 9022.09 1963 (2867) (Loan)

Sci
Feb 64

On the Expansion of a Circle of Problems,
Solved with the Aid of Small Scale
Digital Machines, by V. I. Gorushkin,
A. A. Krumin, et al, 6 pp.
RUSSIAN, per, Elektrichestvo, No 7, 1962,
pp 20-29. 9698501
FTD-TT-65-1228

Sci-Elect
Nov 65

291,452

Characteristics of Asynchronous Synchronous
Machines, by Yu. G. Stakanyan.

RUSSIAN, par, Elektrichestvo, No 7, 1962,
pp 59-66.

ELI N 3094

Sci - Electron
Fig 6;

229,140

TESTING THE STABILITY OF THE BOLZHSKAYA GES
IMENI V. I. LENIN -- URALS ELECTRIC TRANSMISSION
LINE, BY A. V. BOGOSLOVSKIY, S. A. SOVALOV,
21 PP.

RUSSIAN, PER, ELEKTRICHESTVO, NO 8, 1962, PP 1-9.

JPRS L6265

SCI - ELECTRONICS

NOV 62

219,773

Cheaper and Faster Construction of Power-Supply
Networks, by I. T. Dashchenko.

RUSSIAN, per. Elektrichestvo, No 8, 1962, pp 2
pp 18-20.

NII Ref. 9022.09 1963 (2,846)
(Low)

Sci - Electron
Nov 63

242, 352

Shramkov, E. G., Novitski, P. V., Fedosov, M. M.,
and Zorin, D. L.
THE STRUCTURE AND CERTAIN BASIC CHARACTER-
ISTICS OF MODERN ELECTRICAL MEASURING
DEVICES. [1963] 9p 6 refs C. E. Trans. 2816.
Order from OTS, SLA, or BTC \$1.10 TT-63-24086

Trans. of Elektrichestvo (USSR) 1962, no. 8, p. 20-25.
(Abstract available)

DISCUSSIONS: *Meters, *Measuring devices (Elec-
trical and Electronic), Measurement, Input-output
devices, Errors.

The measurement converter is the basic element of
measuring instruments and apparatus. The converter
is used to convert one form of data on the measured
quantity (input value) to another form (output value),
in order to obtain the required functional relationship
(Engineering--Electrical, TT, v. 11, no. 4) (over)

TT-63-24086

- I. Shramkov, E. G.
- II. Novitski, P. V.
- III. Fedosov, M. M.
- IV. Zorin, D. L.
- V. CE Trans-2816
- VI. Central Electricity
Generating Board
(Gt. Brit.)

Office of Technical Services

Electric Driven with Elastic Mechanical M. S.,
H. A. A. Sirovka, 11 pp.

RUSSIAN, per, Elektrichstvo, No 8, 1902, pp
11-14-0

CIA/FDD KK-1321
NO FOREIGN DISSEM

Gen - Electricity
Gen 63

221,483

UNIT INTERNAL USE ONLY

Selecting the Value of the Current Density Under
the Brushes in Low- and Medium- Capacity D.C.
Machines, by V. P. Tolkunov.

RUSSIAN, per, Elektrichestvo, No 8, 1962,
pp 65-68.

ULL Ref. 9022.03 1963 (3,247)
(Low)

ULL/RTS 3344

Sci - Electrea
Nov 63

CESTI TT 63-22137

242,257

Calculating the Commutation of D. C. Machines
by A. S. Kurbasov.

RUSSIAN, per, Elektrichestvo, No 8, 1962,
pp 68-72.

NLI Ref. 9022.03 1963 (3,248)
(Lcm)

Sci - Electron
Nov 63

CFSTI - TT 63-23736
242,306

THIRTY YEARS OF ELECTRIFICATION OF THE RAILROAD
TRANSPORT AT THE SURAMSKIY PASS, BY B. Z.
VAYNSHTEYN, 11 PP.

RUSSIAN, PER, ELEKTRICHESTVO, NO 8, 1962,
PP 83-87.

JPRS 16265

SCI - ELECTRONICS

NOV 62

219,774

Accounting for and Compensating the Effect
of Eddy Currents in Systems Controlling the
Field Flux in Electrical Machines, by
O. V. Slezhnevskiy.

RUSSIAN, per, Elektrichestvo, No 9, 1962,
pp 23-27.

NLL Ref. 9022.03 1963 (3,259)
(loan)

Sci - Electron
Nov 63

242,255

The Cooling of Enclosed D.C. Machines, by
O. P. Siderov.

RUSSIAN, per, Elektrichestvo, No 9, 1962,
pp 60-62.

NIL Ref. 9027.03 1963 (3,260)
(Loan)

Sci - Electron
Nov 63

CFSTI π 63-23934

242,254

Measurement of Power and Energy of the Electric
Arc, by L. B. Bolotin
RUSSIAN, per, Elektricheskoye, No 9, 1962, pp 78-82.
GB/125/13 2103

Sci - Elec
Jul 64

262,6364

Accounting for and Compensating the Effect
of Eddy Currents in Systems Controlling the Field
Flux in Electrical Machines, by O. V. Slezhanovskii.
RUSSIAN, per, Elektrichestvo, No 9, 1962,
pp 232.
CESTI TT 63-23935

Apr 67

323,095

Automatic Control and Stability During Parallel
Operation of Power Station Generators Supplying
AC and DC Transmission Lines, by M. P. Kostenko,
et al.
RUSSIAN, per, Elektricheskvo, No 10, 1962, pp 1-8.
NZDA

Sci - Engr
Apr 64

254,605

The Relative Characteristics and Comparative
Properties of a Reactive Synchronous Machine,
by V. M. Kutsevalov.

RUSSIAN, per, Elektrichestvo, No 10, 1962, pp 52-55.

NIL Ref: 9022.03 1963 (3359)
(loan copy)

Sci
Sep 64

The Problem of Electron Jet Engines and the
Direct Conversion of Heat Energy into Elec-
tricity, by A. Yu. Kopylovskiy, 21 pp.

RUSSIAN, par, Elektrichestvo, No 11, 1962,
pp 7-13. 9682975

WTD-TT-63-298

Sci. Electronics
May 63

232,187

Problem of Transmission of Electrical
Energy Over Long Distances, by I. A.
Syromyatnikov.

RUSSIAN, per, Elektrichestvo, 1962,
No XI, pp 13-20.

NLL 9022.03 1964 (3390) (On Loan)

USSR
Sci Elec
July 65

284,616

Using a Damper Winding in DC Motors
Having a Printed Armature Winding,
parts done by, R. R. Raid and A. P.
Raid.

RUSSIAN, per, Elektrichestvo, 1962,
No XI, pp 50-53.
NLL 9022.03 1964 (3410) (On Loan)

USSR
Sci-F&P
July 65

284,615

Protective Earthing in Low Voltage Systems, by
N. P. Shishkin, G. V. Mindel.

RUSSIAN, per, Elektrichestvo, No 11, 1962,
pp 78-82.

NLL Ref: 9022.03 1963 (3353)
(loan copy)

Sci
Sep 64

Controllable D.C. Drive With Controllable
Semiconductor Rectifiers, by V. A. Naidis,
et al, 11 pp.

RUSSIAN, per, Elektrichestvo, No 11, 1962,
pp 83-87.

CIA FDE XX-1338
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Sci - Elec

12 Mar 63

USIS INTERNAL USE ONLY

224, 539

Variations in the Voltage of Synchronous Generators
With Different Excitation Systems When a Load
is Suddenly Applied, by K. G. Konoplev.

RUSSIAN, per, Elektrichestvo, No 12, 1962,
pp 46-51.

NLL Ref: 9022.05 1963 (3366) (Loan)

Sci
Feb 64

A Method for the Thermal Analysis of
Electrical Machines Having Direct Cooling,
by L. P. Frenkel and L. P. Filizov, 14 pp.
ELEKTRO, Ser. Elektromashin., No 1, 1963,
pp 17-31. 900722
FII-TT-64-2216

Sci-Elec
Jan 65

242,200

Variation in the Electric Withstand Strength
of HV Porcelain Under a Continuous High DC
Stress, by Kh. S. Valsev,

RUSSIAN, per, Elektrichestvo, No 1, 1963,
pp 59-61.

NZDIA

Sci - Elec
Dec 63

245,026

ELECTRIC POWER LINES SHOULD BE BUILT MORE CHEAPLY
AND RAPIDLY, BY V. A. KOZLOV, 6 PP.

RUSSIAN, PER, ELEKTRICHESTVO, NO 2, 1963, PP 89-90

JPRS 18934

USSR
ECON
MAY 63

230,029

FOR THE NEW SUCCESSES IN THE DEVELOPMENT OF
ELECTRIC POWER, 6 PP.

RUSSIAN, PER, ELEKTRICHESTVO, NO 3, 1963,
PP 1-4.

JPRS 19474

USSR
ECON
JUN 63

231,571

Increasing the Frequency of Alternating Current
and Determining Its Optimum Value for Future
Electrification in the USSR, by V. S. Kulebakin,
V. A. Verikov.

RUSSIAN, per, Elektrichestvo, No 5, 1963, pp 9-14.

NLL Ref: 9022.03 1963 (3450) (Loan)

Sci
Feb 64

NLL Ref: 9022.03 1963 (3450)
(Loan copy)

Ranges of Economic Current Load for
110/550-kV Transmission Lines on Standardized
Towers, by A. N. Sherentsis, V. A. Goroshkina.
RUSSIAN, per, Elektrichestvo, No 3, 1963,
pp 39-45.
ILL Ref: 9022.03 1964 (3386) (loan copy)

Sci
Aug 64

Calculating the Tooth Layer of the
Armature, by V. S. Khvostov.
RUSSIAN, per, Elektrichestvo, 1963,
No III, pp 66-71.
NLL 9022.03 1964 (3383) (On Loan)

USSR
Sci Elec
July 65

284,612

TT-64-13112

Valcev, Kh. S. and Esikov, Yu. G.
INSULATOR DISCHARGE VOLTAGE AT HIGH RELA-
TIVE HUMIDITY A. A. Osipovich, tr. [1963] [10p]
6 refs

Order from GFS, SIA, or ETC \$1.10 TT-64-13112

Trans. of Elektrichestvo (USSR) 1963, no. 4, p. 86-88.

DESCRIPTION: Humidity, *Electric potential, Electric
discharges, *Electric insulation.

- I. Valcev, Kh. S.
- II. Esikov, Yu. G.
- III. Bonneville Power Administra-
tion, Portland, Ore.

CALCULATION OF DISTRIBUTING NETWORKS WITH THE AID
OF THE MINSK DIGITAL COMPUTER, BY M. S. LEVIN,
12 PP.

RUSSIAN, PER, ELEKTRICHESTVO, NO 4, 1963, PP L-5.

JPRS 19794

SCI - ELEC
JUN 68

234,843

Measurement of Mean Temperature of Windings
in Electrical Equipment Under Load, by
Yu. V. Frankman, V. L. Shargorodskiy.
RUSSIAN, per, Elektrichestvo, No 7, 1963,
pp 49-55.
NLL Ref: 9022.09 1964 (3403) (loan copy)

Sci
ing 64

R-4585-D

Problem of Long-Range Transmission of Electric
Power; Problem of Prospects of Stepping up the
Voltage of Overhead * Electric Transmission Lines,
by Yu. I. Lyskov.
RUSSIAN, per, Elektrichestov, No 7, 1963, pp 84-86.

*JPRS/Interior

SIX

Sci

Nov 64

NIPR AS-101, 6614(*1)

B-6245-D
18 Nov 65

Are Travel in the Angular Clearances of Sparkgaps in
Magneto Rotations Are Arrested

By: L. I. Bronshten

From: KLEINIGHESTVO 8(1963):56-62

(7 pp)

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Bill No:

Standard Properties of Seignette Electric Crystals
With Rectangular Loop of Dielectric Hysteresis,
by I. S. Zheludev, D. A. Tambovsev, 11 pp.
RUSSIAN, per, Elektrichestvo, No 8, 1963, pp 66-70.
9695915
FTD-TT-64-697

Sci - M/M
Feb 65

274,101

Cold Rolled 0.35 mm Magnetic Sheet
Steel, by A. A. Nefedov, et al.
RUSSIAN, per, Elektrichestvo, 1963,
No VIII, pp 70-72.
NLL 9022.03 1964 (3454) (On Loan)

Aug 65

286,416

Experimental Data on Using Electrical
Brushes on a Sliding Contact at High
Current Densities, by P. S. Livshits.
RUSSIAN, per, Elektrichestvo, 1963,
No VIII, pp 75-76.
NLL 9022.03 1964 (3455) (On Loan)

USSR
Sci-Elec
July 65

4, 614
284, 614

Basic Concepts in Determining the Stability of Power Systems,
by D. I. Azar'yev, Y. A. Yankov, et al, 17 pp.

RUSSIAN, per, Elektrichestvo, No 11, 1963, pp 1-8.

JPRS 22681

Sci-Electr
Jan 64

246, 527

Studies on Characteristics Properties of Electro-
Conductivity of the Human Body, by V. Ye. Manoilov,
18 pp.
RUSSIAN, per, Elektrichestvo, No 11, 1963, pp 9-12.
NAS/1388

Sci/EGM
Nov 69

396,010

An Experimental Induction Pump for Liquid Cast
Iron, by L. A. Varga.
RUSSIAN, per, Elektrichestvo, No 12, 1963,
pp 63-66.
BISI 3613

Sci - M/M
Aug 64

264,255

Mass Electrification is the Basis for Reconstruction of
Railroad Transport, by P. G. Maralov, 13 pp.
RUSSIAN, per, Elektricheskoye No 1, 1964, pp 1-7.

JPRS 23654

JPRS 23704

USSR
Econ
Mar 64

251,771

Objectives of a Scientific Study of Energy
Balance, by L. A. Melent'ev, 17 pp.
RUSSIAN, per, Elektricheskoye, No 2, 1964,
pp 1-17.
JPRS 24648

Sci - Engr
May 64

259, 953-

NCH-200 646

Field 13F, 13A, 9C

Vasilev, Yu. K.
EXPERIMENTAL STUDY OF THE TEMPERATURE
RISE AND VENTILATION OF TRACTION MOTORS ON
MAIN - LINE ELECTRIC LOCOMOTIVES (Eksperi-
mentalnoe issledovanie Nagrevaniya i Ventilyatsii
Tyagovogo Dvigatelya Magistralnykh Elektrovozov).
4 Nov 64, 1pp (foreign text included) Srefs. TP/T-3558.
Order from NLL

I. Associated Electrical
Industries Ltd.,
Trafford Park (England)

Trans. of Elektrichestvo (USSR) n2 p32-7 1964.

Creation and Adoption of Systems of Electrical
Equipment, by N. A. Obolenskiy, 10 pp.
RUSSIAN, per, Elektrichestvo, No 4, 1964, pp 1-4.
9095875
FTD-TT-64-827

Sci - Elec
Feb 65

274,106

Conference on Automatic Control and Methods
of Electrical Measuring, by G. A. Shramberger,
8 pp.

RUSSIAN, per, Elektricheskoye, NO 4, 1964,

pp 90-92

JPRS 26419

Sci - Electr
Sep 64

267,374

NCH-201 294

Field 9C

Lysenko, B. V.

NEGATIVE-SEQUENCE CURRENT OVERLOAD
PROTECTION OF GENERATORS (Zashchita
Generatorov ot Pererazuzki Tokom Obratnoi
Posledovatelnosti) 10 Feb 65, 17p (foreign text
includes briefs. TP/1-3630.
Order from NLL.

I. Associated Electrical
Industries Ltd.
Trafford Park (England)

Trans. of Elektricheskoye (USSR) n5 p17-22 May 1964.

Insufficient Capacity of Power Supply ~~it~~ -- Cause of
Poor Utilization of Electric Power in Soviet Agri-
cultural Production, by D. T. Komarov, 15 pp.
RUSSIAN, per, Elektrichestvo, No 6, 1964, pp 1-6.
JPRS 27081

Sci-Electr
Jan 65

270,645

Determining the Starting Characteristics of
Synchronous Motors, by B. I. Kirkin, L. S.

Vindorf,
USSR, per, Elektrichestvo, No 6, 1964, pp 63-
MLL 3774.5 (1402)

Sci - Elec Eng
Nov 67

545,891

Use of Superconductors for the Excitation of
Electric Machines, by E. Ya. Kazovskiy,
V. P. Martsev, 8 pp.

RUSSIAN, per, Elektrichestvo, No 6, 1964, pp 74-76.

CIA/FDD XX-1606
NO FOREIGN DISSEM

Sci - Elec

Oct 64

USIB Internal Use Only

268,339

Dissertations in Competition for the Academic
Degree of Doctor of Technical Sciences, by
A. S. Sergeyev, 10 pp.
RUSSIAN, per, Elektrichestvo, No 8, 1964,
pp 90-93,
GIA/FDD X-5475

Sci - Math & Data Proc
Nov 64
FOR OFFICIAL USE ONLY

269,073

NCH-901 939

Field 9C

I. Associated Electrical
Industries, Ltd.,
Trafford Park (England)

Filippov, I. F.

A METHOD OF ACCOUNTING FOR THE SELF -
COOLING EFFECT OF ROTATING MACHINE ROTORS

Metod Ucheta Samovostitrazhushchego Delatviya

Rotirov Elektricheskikh Mashin). 24 Mar 65, 23p

(foreign text included) 6 refs. TP/T-3659.

Order from NLL

Trans. of Elektrichestvo (USSR) n9 p63-9 1964.

Relation Between the Electrical and Mechanical
Properties of Mica Insulation, by V.A.Volkov,
Y.V. Koritskii.
RUSSIAN, per, Elektrichestvo, No. 10, 1964.
GB 49/1542

Sci -
Aug 67

335-629

Dielectric Strength of Transformer Oil Using
Small Electrode Spacings, by D. A. Kaplan.
RUSSIAN, par, Elektrotehnika, Vol 10, 1964,
pp 17-18.
NLI Ref: 3774.5 (1622)

Sci/Elec & Elec Engr
Feb 68

349.593

The Organization of Communication Between the
Traffic Control Point Of the Power System and the
Computer Center, by N. G. Zaytsev and V. A. Lebedev,

9 p.

RUSSIAN, per, Elektrichestvo, No 10, Oct 64, pp 52-54.

JPRS 29831

USSR

Sci.-Math. & Data Processing

Apr 65

279,314

Subjects of the Journal Elektrichestvo (Electricity)
for 1965-1966, 21 pp.
HISSEAN, per, Elektrichestvo, No 10, 1964, pp. 91-96.
JPRS 30016

USSR
Sci-Electricity
May 65

270,301